

Colony PCR

1. Prepare pcr tubes with appropriate taq-pcr solution (primer, polymerase etc.)
2. Draw a grid on a agarose plate
3. Using a sterile toothpick, pick a colony and sweep it over a cell of the grid.
4. Spin the toothpick in the associated pcr tube and discard the toothpick.
5. Incubate the agarose plate at 37 °C while running the pcr
 1. 1x 5 min at 95 °C initial cell breakage and DNA denaturation
 2. 25x
 1. 1 min at 95 °C
 2. 30 s at Ta primer bind
 3. (1 min/kb) at 72 °C
 3. 1x 5 min at 72 °C final elongation